

# PBE & IFC spar over key points

*Did PBE haze?  
Were the judicial proceedings fair?*

By Joanna Kao  
STAFF REPORTER

Several details have surfaced regarding the Phi Beta Epsilon (PBE) suspension. PBE alumni continue to send letters to *The Tech*, Dean of Student Life Chris Colombo, and President Susan Hockfield. IFC president, Ryan Schoen '11 said that the PBE hazing took place between last fall's pledging, through and including initiation (January 2010).

PBE and the IFC continue to disagree on several key issues related to PBE's suspension:

## 1. Hazing

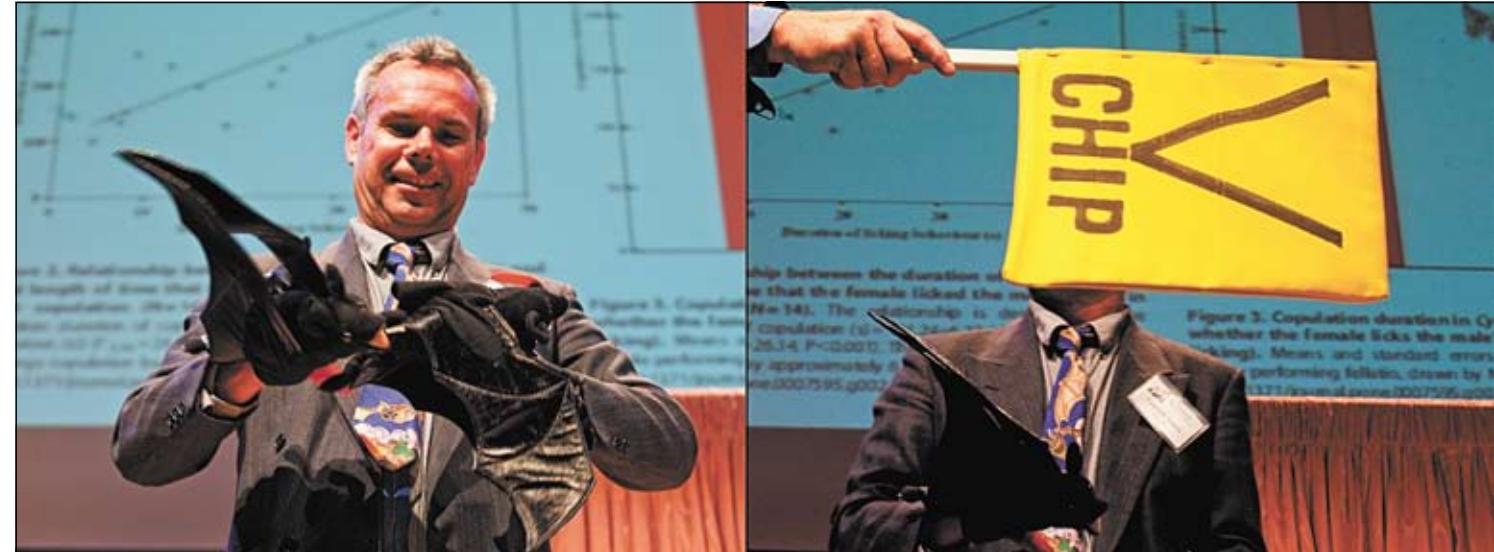
IFC: "We follow the Massachusetts state law," Schoen said. "Consent is not a valid excuse for hazing. ... In this case, there was no ambiguity in the mind of the JudComm board members."

"We had documents from PBE describing their initiation. They went through their initiation at the hearing describing everything that we had in front of us, and it was a unanimous decision from all the board members that they were responsible for hazing," said Garrett R. Fritz '11, chair of the IFC Judicial Committee.

PBE: PBE alumni, parents, and actives continue to say that they did not participate in any hazing activities. "We firmly believe we didn't violate the Massachusetts Law," Arjun Naskar '09, former president of PBE and a current director of the PBE alumni corporation said.

"No one was hurt in this process. No one came forward with a complaint with this initial charge in the first place, no one came forward afterward as well," Naskar said. There was "nothing physical and no complaint whatsoever."

PBE, Page 11



Gareth Jones of the University of Bristol uses hand puppets to explain how bats perform oral sex on each other, before being censored by the "V-chip" at the Ig Nobel Awards Ceremony on Thursday. Jones won the Ig Nobel Prize in Biology for documenting fellatio in fruit bats. The 2010 Ig Nobel Lectures will take place in 10-250 on Saturday.

## Bacteria and bat sex at Ig Nobels last night

By Stan Gill

Have you ever wondered if bats fellate each other?

"We were BLOWN away by the results," Gareth Jones, a member of the team that won the 2010 Ig Nobel prize in Biology. He and his team were researching the lives of the common fruit bat, and in the

course of their research, they discovered something intimate: This species of bat enjoys oral sex.

Jones came prepared with a video and hand puppets to demonstrate their findings, but were promptly shooed off stage by the V-Chip Monitor (don't ask).

At the Ig Nobels, which celebrate the weirdest and most inter-

esting discoveries in the past year, "weird" barely begins to describe the proceedings. Last night, there was an accordion-playing duo wearing one dress, guys dressed up as savages holding flashlights, and a plea to hold off on throwing the paper airplanes (provided to all in attendance) in the first five minutes of this awards "ceremony" known

as the 20th First Annual Ig Nobel Awards.

In a delightful ceremony (attended by such dignitaries as the King and Queen of Swedish Meatballs) that jumps from winner to opera to moments of science in a seemingly spontaneous fashion,

Ig Nobels, Page 9

## HASS system gets simpler

*Freshmen try out a streamlined, more flexible humanities requirement that does away with HASS-Ds and the lottery*

By Anne Cai and Niki Castle

"The new HASS system is very flexible. It's not a pain in the 'HASS,'" said Rui Hu '12.

This fall marks a major and much-discussed changes as the HASS-D (Humanities, Arts and Social Sciences Distribution) system begins to be phased out. Starting with the Class of 2014, the five distribution areas have replaced by three categories: Humanities, Arts, and Social Sciences. There is no longer a lottery for the classes, either.

These changes are intended to give students more flexibility to choose classes they are interested in.

"Through the HASS Distribution, we wanted students to learn the different

ways of knowing the material," said Diana Henderson, Dean for Curriculum and Faculty Support.

"It was felt that there was a lot of choice in HASS-D, but there could be more, and there was a real scheduling problem. Students would pick their three science Girs, and then 'fit in' a HASS-D class, by which time their schedule limited them to much fewer options."

Previously, as the HASS categories were known mainly by number rather than by name, students and advisors often were not entirely clear on what they could or should take in HASS, Henderson said.

New HASS system, Page 10

## Beta gets 4-year ban on parties

Beta Theta Pi (Beta) is under social probation until fall of 2014, the result of an alcohol-related rush violation this year, according to IFC President Ryan Schoen '11. They will not be permitted to hold social events (parties) outside of Rush for the next four years.

Beta's case is currently under appeal to the Judicial Committee of the Interfraternity Council (IFC). On Sunday, Sept. 5, Beta had a hearing with the IFC's Rush Infractions Board for an alcohol-related rush violation.

The Rush Infractions Board recommended Beta's expulsion to the IFC President's Council. The council voted against expulsion. Instead, Beta is currently under a four-year social probation.

Beta will still be allowed to conduct rush activities in the years in between, but they will not be able to hold parties outside of the Rush period. Their appeal hearing with the Judicial Committee has not yet been scheduled, but is expected this month. Ari P. Miller '11, the president of Beta, declined to comment.

—Joanna Kao

## Hockfield addresses MIT community on Wed.

*At State of Institute forum, endowment gains, more undergrads announced*

By Leo Zhou

After two difficult years, MIT has "aligned its budget with economic realities" and has improved the institute's economic resilience, President Susan J. Hockfield said at the annual State of the Institute forum on Wednesday.

As a sign of recovery, the endowment gained 10 percent from last year. This is a significant improvement over the previous year, when the endowment investment suffered a 17 percent loss with the total endowment value plunging from \$10 billion to \$8 billion. After subtracting operational costs, however, the overall endowment value only increased for 3.7 percent this year.

"It is fantastic news that we are going in the right direction, but we still have a long way to go to recover the ground we lost in the global downturn," said Hockfield.

Though plenty of cuts were made in the past couple years, there were things MIT's financial officers would on principle try to preserve, Hockfield said. Their top priority was to sustain need-blind admission and need-based financial aid.

"MIT continues to serve as a very strong economic escalator," Hockfield said. This year, two-in-three MIT freshmen are from public school, and 16 percent of them are first generation college students, she said.

Furthermore, the other goal of the

officers was to keep recruiting and hiring new faculty. As a result, there are 40 new additions in the faculty this year, which constitutes about 4 percent of the entire current faculty.

Present at the Q&A session of the forum besides President Hockfield were Provost L. Rafael Reif, Chancellor Phillip L. Clay PhD '75, and Theresa M. Stone SM '76, the Executive Vice President and Treasurer. Five questions were chosen from those submitted online in advance, while only three more questions were taken from the floor. After no further questions, the forum dispersed.

One of the floor question con-

Hockfield, Page 9

## IN SHORT

**Nightline is dead.** The student support hotline, which anyone could call, was shut down because of staffing shortages and too many off-campus callers tying up resources. See p. 10 for a list of mental health resources if you need help, or just someone to talk to.

**Subra Suresh ScD '81**, Dean of the School of Engineering, was confirmed by the Senate as Director of the National Science Foundation on Wednesday. He had been waiting since June.

**Nergis Mavalvala PhD '97 is a Genius!** The MIT physics professor received a MacArthur Foundation Fellowship on Tuesday. She will receive \$500,000 over the next five years to spend as she sees fit — no strings attached.

**The new Dean for Residential Life and Dining** is Henry J. Humphreys, effective Nov. 1. He will be a senior associate dean, reporting to Chris Colombo. Humphreys has been Director of Residential Life at Boston College since 2002. He replaces Karen Nilsson, who is retiring.

Send news information and tips to [news@tech.mit.edu](mailto:news@tech.mit.edu).

## EDITORIAL: YOUR MOVE, PBE

Should PBE's actions be considered hazing? The fraternity's best defense would be to let the facts speak. **OPN, p. 4**

### PBE: THE IFC OVERREACTION

PBE did not haze, by Massachusetts state law. The IFC was oversensitive. **OPN, p. 5**

### IFC: PBE HAZED, NO QUESTION

The evidence was substantial, and the IFC acted responsibly. **OPN, p. 5**



### WHEN ETHICS ARE A FASHION CHOICE

Socially-conscious fashion has become a hot fad these days. Does it really make a difference? **ARTS, p. 6**

### WOMEN'S TENNIS RACKS UP 2 WINS

This past week, women's tennis triumphed over Clark and Babson. **SPO, p. 12**

## SECTIONS

World & Nation ... 2  
Opinion ..... 4  
Arts ..... 6  
Fun Pages ..... 7  
Sports ..... 12



# 20 light-years away, planet may be able to nurture life

By Dennis Overbye  
THE NEW YORK TIMES

It might be a place that only a lichen or pond scum could love, but astronomers said Wednesday that they had found a very distant planet capable of harboring water on its surface, thus potentially making it a home for plant or animal life.

Nobody from Earth will be visiting anytime soon: The planet, which goes by the bumpy name of Gliese 581g, is orbiting a star about 20 light years away in the constellation Libra.

But if the finding is confirmed by other astronomers, the planet, which has three to four times the mass of Earth, would be the most

Earthlike planet yet discovered and the first to meet the criteria for being potentially habitable.

"It's been a long haul," said Dr. Steven S. Vogt of the University of California, Santa Cruz, who, along with R. Paul Butler of the Carnegie Institution of Washington, led the team that made the discovery. "This is the first exoplanet that has the right conditions for water to exist on its surface."

In a recent report for the National Academy of Science, astronomers declared the finding of such planets one of the major goals of this decade. NASA's Kepler satellite — which was launched in March 2009 as a way to detect Earthlike bodies — is expected to harvest dozens or hundreds.

Gliese 581g (whose first name is pronounced GLEE-za) circles a star known as Gliese 581, once every 37 days, at a distance of about 14 million miles. That is smack in the middle of the so-called Goldilocks zone, where the heat from the star is neither too cold nor too hot for water to exist in liquid form on its surface.

But they expressed caution about this particular planet, noting uncertainties about its density, composition and atmosphere, and the need for another generation of giant telescopes and spacecraft in order to find out anything more about it.

The discovery was announced at a news conference Wednesday in Washington.

## North Korea offers peek at leader's presumed heir

By Mark McDonald  
THE NEW YORK TIMES

North Korean state media released a photograph on Thursday of Kim Jong-un, the son and presumed heir of the ailing dictator, Kim Jong-il, the first verified image of the young man as an adult.

The photo was published in the Thursday issue of North Korea's main newspaper, Rodong Sinmun, and showed him in a dark suit with his father and a large group of senior Workers' Party officials. He bears a strong resemblance to his father

and, some thought, his grandfather, Kim Il-sung, North Korea's founder.

This week, at a landmark meeting of the Workers' Party in the capital, Pyongyang, the younger Kim, who is believed to be 27 or 28, was given the rank of four-star general in the People's Army and was named a deputy chairman of the party's military commission. He also became a member of the party's Central Committee, an ideological and policy-making post.

Chubby and looking somewhat older than his years, Kim Jong-un was seated two spots to his father's

right and next to another rising star, Vice Marshal Ri Yong-ho, seated between them.

Ri, 67, whose military rank as vice marshal places him over Kim Jong-un, was named to the country's powerful Politburo this week and also was made a deputy chairman of the party's military commission. The vice marshal, who has served as chief of the army general staff, is seen as a seasoned officer with substantial field experience. South Korean news media reports have suggested that he guided Kim Jong-un in his fast-track military training over the last year.

## Questions on ex-housekeeper emerge for a candidate

In many ways, it had the makings of the kind of classic late-campaign political dust-up that happens so regularly in high-profile California campaigns: the celebrity lawyer, the illegal immigrant, a welter of conflicting allegations and conspiracy charges, a candidate willing to take a lie-detector test and the scene of reporters clustered in a swanky lawyer's office overlooking the Hollywood Hills. News conferences were streamed live on TMZ.com, the scandal-chasing Hollywood website that has become a force in politics and celebrity in this town.

In this case, though, it is a potentially problematic episode for Meg Whitman, the Republican who has broken spending records trying to become the California governor and still has found herself tied in polls with her Democratic opponent, Jerry Brown, the state attorney general.

In a year in which immigration has become a hot and complicated issue, particularly in this state, Whitman found herself trying to explain how she had employed an illegal immigrant as a housekeeper for nine years. She said she fired the housekeeper, Nicandra Diaz-Santillan, when she learned of her status last year.

The development — which Whitman described as a smear by her opponents — came in the midst of a campaign in which she has struggled to be sufficiently tough on illegal immigration to appeal to conservative Republicans without alienating independents and Hispanics who are critical to any winning electoral calculation here. A poll in The Los Angeles Times last week found that she was struggling against Brown for support among Latino voters.

—Adam Nagourney, *The New York Times*

## NASA gets new orders that bypass the moon

NASA, best known as the agency that put the first man on the moon, is about to end its moon program for the foreseeable future.

Under legislation passed by the House late Wednesday, the nation's spaceflight program will take a new direction. The National Aeronautics and Space Administration will turn to private companies to launch astronauts into space, while it starts work on a larger rocket for travel to more distant destinations — an asteroid, perhaps, and eventually Mars.

The new mandate "helps put the U.S. space program on a more sustainable trajectory," Lori B. Garver, NASA's deputy administrator, said Thursday during a telephone news conference. "We now have an important framework."

The House, in a 304-118 vote on Wednesday, approved a Senate-written bill authorizing \$58 billion for NASA over the next three years and setting priorities for the agency. The Senate passed the bill in August, and it now goes to President Barack Obama for his signature.

—Kenneth Chang, *The New York Times*



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## EDITORIAL

## Your move, PBE

Phi Beta Epsilon can resolve the debate over their expulsion from the Interfraternity Council and whether their actions constitute hazing by releasing the document detailing the incident in question to public review. This document, describing membership education activities for the pledge class of 2013, is the key piece of evidence in determining whether PBE's activities qualify as hazing.

The fraternity's decision to proceed immediately with their IFC hearing stemmed from a confidence that they would be absolved of wrongdoing and allowed to resume Rush activities. Yet according to IFC president Ryan Schoen '11, "This wasn't even a gray zone," and the IFC's Judicial Committee's (Jud-Comm) decision indicates that they agree. PBE's suspension, then, points to a lack of common understanding over what is considered hazing and thus punishable.

The vigorous defense of PBE by their alumni, and the diametrically opposed stance of the IFC, cannot reach a resolution until the community is aware of the details of the incident. All the letters in the world to President Hockfield about how PBE produces great men and have a long history on campus

won't spur the administration to action; PBE is governed by the IFC and their only chance at reinstatement is to have the fraternity presidents convince the IFC and JudComm to reconsider the decision.

**Until the details are known, all fraternities will wonder if their activities...count as hazing.**

We understand that the document may contain secret ritual activities, and suggest that PBE redacts part of the documents that are irrelevant to the case and ask the IFC to confirm that the remaining parts of the document, specifically those dealing with the alleged hazing, are genuine.

Besides the potential benefit for PBE, the release of the document would be a learning experience for the entire Greek community. Until the details are known, all fraternities will wonder if their activities, when written down and examined by a judicial board, count as

hazing. And as some of the PBE alumni point out, nobody has come forth and claimed to have been hazed. The line which the IFC sees as very clear needs a real definition, lest every fraternity live in fear. The IFC consistently refers to Massachusetts law regarding hazing, but the legal description ranges from causing "extreme mental stress" all the way to whipping, beating, and branding as concrete examples.

So, PBE, perhaps by the letter of the law you engaged in some form of hazing. But if you truly believe your punishment is unjust, your only reasonable path towards reinstatement in the next year relies on releasing all of your documents and details of the January incident, and having an honest discussion with the MIT Community. You need to convince the community that, while you broke some rules and deserve some sort of punishment, your four year suspension is unreasonable and deserves adjustment. Winning in the court of public opinion will create an environment where other fraternity presidents can come to your defense, and a process of reconsideration can begin.

*Because of his reporting on the PBE expulsion, Jeff Guo has recused himself from this editorial.*

## LETTERS TO THE EDITOR

## OpenCourseWare remains free

I am writing to provide some background to *The Tech*'s September 28 "In Short" titled "OpenCourseWare will remain as a free service despite rumors."

A handful of recent news articles (including one earlier this week in the *New York Times* online) have reported that MIT is considering placing OpenCourseWare behind a pay wall. These articles stemmed from remarks about e-learning that were made by an MIT administrator at a recent education conference in Paris, and were based on a misinterpretation of the administrator's remarks. These reports are completely untrue.

It is common knowledge here at MIT that OCW has been hard at work for the last couple of years to ensure its long-term financial sustainability. Key components of the effort include reducing our costs, increasing donations, and implementing approaches that will enhance the revenue we generate to support OCW. However, putting OCW content behind a pay wall has never been under discussion. The content on MIT OpenCourseWare will continue to be free and available online, as it has always

been.

Like other universities, MIT is constantly exploring new educational opportunities — including the possibility of e-learning projects — but MIT has no plans to charge for access to MIT OpenCourseWare content. See MIT's press release responding to the pay wall articles at <http://web.mit.edu/press/2010/ocw-paywall.html>

I would like to thank *The Tech* for helping us get out the facts.

— Cecilia d'Oliveira  
Executive Director, OpenCourseWare

## Learning about Greek life takes time

Fraternities have been in *The Tech* a lot recently. Some of it is routine, (Rush) but the rest of it: not so much (major judicial sanctions). But one thing these articles seem to have in common is that they consist of dorm residents trying to explain elements of fraternity life matter-of-factly (e.g. why you should wait until sophomore year to pledge, why the IFC is a bad idea, and so on). Let me just say that I've been an active part of the fraternity system since I pledged about six years ago, and I'm still learning about it. So I have to wonder how on Earth those with no experience with

Greek life whatsoever feel qualified to make such sweeping claims. It would be like me, a Course XVI major, trying to definitively tell a biologist about better research methods. I'd be laughed out of Building 68.

Fraternities are part of MIT culture, so naturally everyone will have their opinions. I only ask that those who were never affiliated show a little more humility when airing their thoughts.

— Akil J. Middleton '08

## UA UPDATES &amp; ANSWERS

## Updates

- Allocations to Student Groups have increased 37 percent for the Spring/IAP semester.
- Student-Faculty Dinners launch on Monday.
- Institute Committee nominations are complete thanks to Alex Jordan and the Nominations Committee.
- UA Newsletter, Issue 2 to be distributed early next week!

## Answers

- Email [ua-questions@mit.edu](mailto:ua-questions@mit.edu) so we can answer your questions!

— Alec Lai,  
UA Secretary-General

## CORRECTIONS

The photo of the tent at East Campus desk on page 9 of Tuesday's issue was incorrectly attributed to associate news editor Jingyun Fan. The photo was taken by Anna E. Brunner '12.

Because of an editing error, Tuesday's article about hazing at PBE incorrectly stated that Pi Kappa Alpha was previously

expelled from MIT. The original chapter of Pi Kappa Alpha deflated from its national organization to become the coed independent living group pika; it was not expelled. Pi Kappa Alpha, known as Pike, returned to MIT in early 2010 to restart the fraternity.

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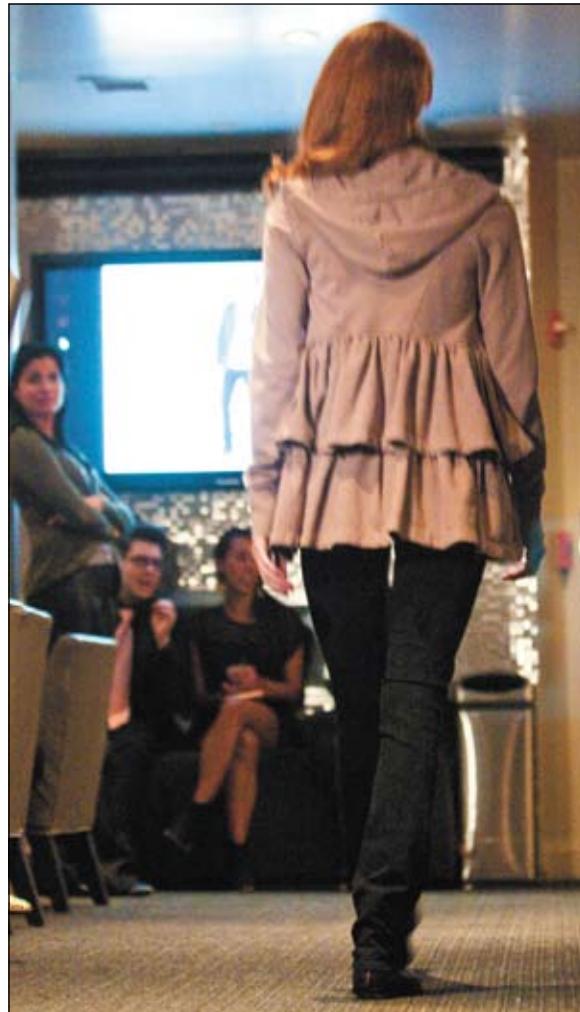
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# Chic clothes, saving your conscience?

During Boston Fashion Week, a show featuring socially-conscious clothing begs the question: Does it make a difference?



**"Sustainable Style," a fashion show that took place at the Charlesmark Hotel on Wednesday, provokes contemplation on the role of social consciousness in fashion and how plausible it is to integrate into the everyday girl's wardrobe.** The show's apparel and accessories were borrowed from Nomad, a boutique based in Cambridge, in collaboration with Stilista, a style agency.

**By Maggie Liu**  
*ARTS EDITOR*

Socially conscious fashion. A conundrum in itself. For an industry that is based mostly around aesthetics and has been historically nonchalant about animals — much less the healthcare of employees — the growing attention to sustainable design and fair trade is curious. We hear about it occasionally — Natalie Portman's line of shoes for Te Casan composed of all man-made materials, Bono and his wife's fashion brand ROGAN — but for the most part, sustainable fashion has not hit the pavement runway.

Last night I attended *Sustainable Style*-a fashion show at the Charlesmark Hotel hosted by Stilista, a personal shopping agency, with apparel and accessories from Nomad, a boutique based in Cambridge. The lounge was tightly packed with bass beats booming in the background and well-heeled patrons conversing over drinks with names like Crouching Ginger Hidden Apple Martini.

The show itself featured an autumn palette: austere greys, ochre blouses, deep navies. Highlights included knit scarves paired with tough motorcycle boots, draped car-

digan with an ethnic print bag slung over a shoulder, and of course the ubiquitous structured blazer contrasting with muted ruffles. It was a fitting vibe for the urban girl: feminine yet edgy, romantic yet practical, and at the same time, all clothing displayed was socially conscious and vertically integrated.

**It was a fitting  
vibe for the urban  
girl: feminine yet  
edgy, romantic yet  
practical...**

What made me really think about the role of fair trade and social consciousness in the context of fashion were my conversations after the fashion show. I was fortunate enough to catch both the owner of Nomad, Deb Colburn, and Stilista's representative Maria Vasilevsky.

Maria Vasilevsky.  
Nomad is a local boutique based in Cambridge with a wide variety of fair trade. Colburn, Nomad's owner, explained that the fashion's interest in social consciousness

mostly lies in the new generation. The pieces from the show were mostly from young underground American designers. "We're going more fair-trade, more eco-friendly," Colburn explained, "People are paying more attention to how clothing is made."

attention to how clothing is made. However, why is it then that we hear so much of green and sustainable fashion yet see so little of it on say, the college campus? Heck, even in the streets? The main problem, Stilista's Vasilevsky explained, still lies in lack of awareness amongst the consumers. Although there has been much buzz in the media about celebrities sponsoring green fashion and photoshoots paired with phrases like "tree hugger" or "ethical chic," your everyday shopper has remained unfazed. What are the first things that come to mind when shoppers buy something? Price. Quality. Vasilevsky notes that until questions like "How was this dye made?" "Where did this cotton come from? How were those workers treated" appear in the consumer's subconscious, green fashion will remain a niche. While fair trade and eco-friendly designs are by no means cheap, good quality items usually are comparable in price to moderate mainstream designers — French Connection, Elie Tahari. Designer jeans lines have also started to market socially

conscious products but it has so far only been a fad, by no means a classic favorite. It will still take a while longer before green fashion truly appeals to the mainstream.

**It will still take a while longer before green fashion truly appeals to the mainstream**

What can we do as consumers, especially college students on a budget, regarding eco-friendly fashion? Truthfully, not a whole lot. We can use our recyclable totes when going to Shaw's, buy American Apparel's "organic t-shirts," drink our fair-trade coffee. At the end of the day, we can only make the effort to spread awareness about why socially conscious fashion is important, transcending a fad into a principle. Perhaps five-ten years down the road, shoppers will ask "Was this beading the work of underpaid child labour in Cambodia" and think twice about where and how the product was created, before purchasing it.



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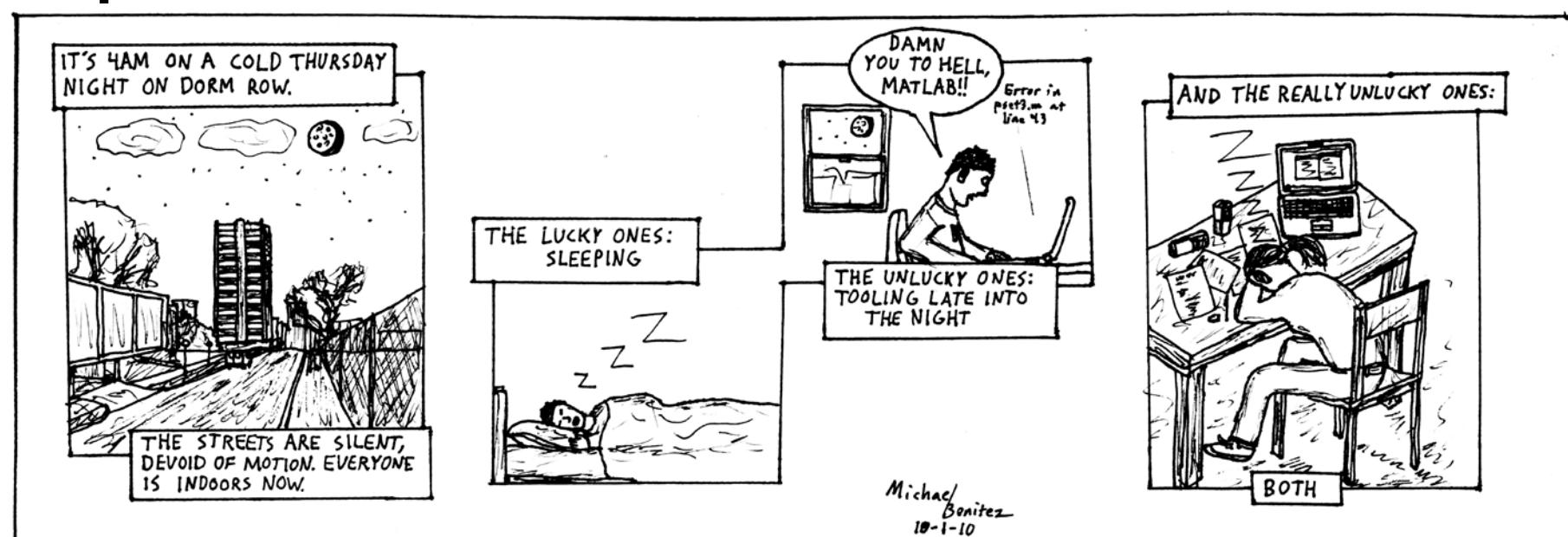
# Steal My Comic



# **Somewhere on the search for meaning... by Letitia Li**



# Help Desk by Michael Benitez



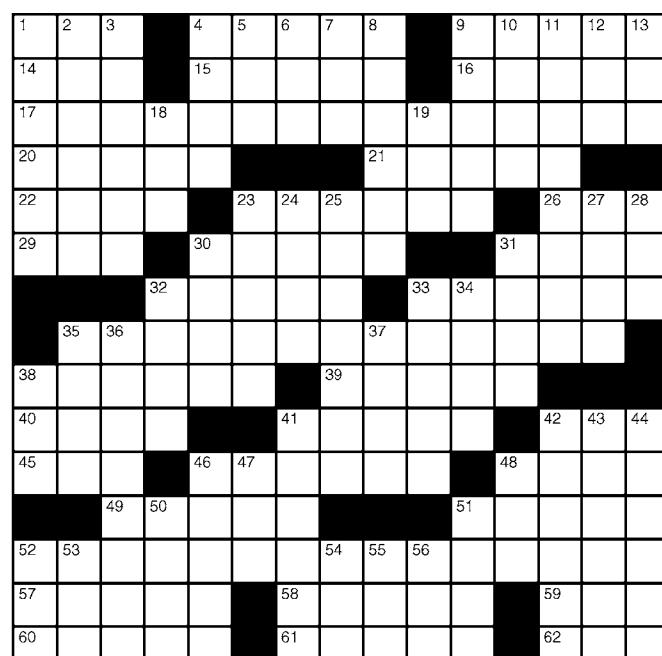
# Crossword Puzzle

## Solution, page 10

## ACROSS

1 Backyard pie ingredient	46 Go downhill
4 Watchband	48 Bridle strap
9 Slip of the mind	49 Student of Socrates
14 Individual	51 Jinxed
15 At large	52 Charlemagne's domain
16 UFO rider	57 In the open
17 Biblical injunctions	58 Utah home of BYU
20 Kick out	59 Mexican Mme.
21 Drink to	60 Private Eye's projects
22 Grazing grounds	61 Becomes weary
23 Plays a banjo	62 Middle of 17A, 35A and
26 Tentative taste	52A
29 NBC classic	
30 Series shutout	
31 Dry by rubbing	
32 Oyster's gem	
33 Online bookseller	
35 Did some questionable redistricting	
38 Sprites	
39 Hot, spicy drink	
40 Dollar, slangily	
41 Cancun cash	
42 Rwy. stop	
	<b>DOWN</b>
	1 Ramada chain
	2 Lopsided
	3 Refusal to admit
	4 Niche
	5 Hanks or Cruise
	6 CD—
	7 Simile middle
	8 Kept inside
	9 Actor Lorenzo
	10 Pub potations

- 11 Runtish
- 12 Clique
- 13 Punner's duo?
- 18 IV quantities
- 19 Comic DeLuise
- 23 Vacillates
- 24 Period of time
- 25 Demonstrates connections
- 27 Portable media player
- 28 Farmyard enclosure
- 30 Very dry
- 31 On one's guard
- 32 Puritanical
- 33 After-market item
- 34 Rx items
- 35 Colorado tributary
- 36 Specimens
- 37 Plane front
- 38 IBM units
- 41 On time
- 42 Gender bias
- 43 \_\_ del Fuego
- 44 From the mountains of Peru



46 Bumps on a hog?	52 Ad __ committee
47 Of the ear: pref.	53 Eggs
48 GOP member	54 Onassis, to pals
50 Greek harp	55 "...__ gloom of night..."
51 Med. care gps.	56 First lady of Eden

**Understanding**

by Jerry Holkins  
and Mike Krahulik

**Easy Sudoku** Solution, page 10

			9			4		7
1		2	7		9 3			
				6				
5			8		3	1		
4	8				7 5			
9	7			3		4		
	5							
6	1		3		2		9	
2	9			1				

Instructions: Fill in the grid so that each column, row, and 3 by 3 grid contains exactly one of each of the digits 1 through 9.

**Hard Sudoku** Solution, page 10

						8		9
5	6		4				8	1
	8				1			
3		1		4		6		
	7	6	3	1	9			
6		5		3		7		
		2				9		
9	4			5		6	2	
6		9						



# MAKING DESIGNING MATERIALS ENGINEERING CONTEST

2010

Materials Solutions  
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COURSE III DMSE

Finalists presentations and Awards Ceremony

Tuesday, October 5 2010, 7PM

MIT Room 4-237

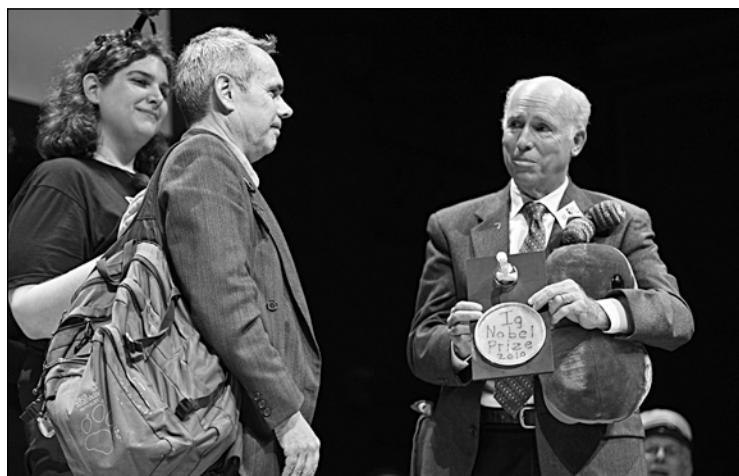
<http://dmse.mit.edu/madmec>

# At Ig Nobels, bacteria opera ends in mouthwash

**Ig Nobels**, from Page 1

the Ig Nobel awards are put on by the *Annals of Improbable Research* to honor those people who have invented or researched things that not only make people laugh, but make them think. Each winner's speech lasts about a minute.

The celebration is deserved. After all, where would the world be



**Gareth Jones accepts his Ig Nobel Prize in Biology during the Ig Nobel Awards Ceremony** on Thursday. Each of the ten winners received a Petri dish and a stuffed bacteria plushie.

without laureate Dr. Elena Bodnar and her emergency bra (\$29.99, [ebbra.com](http://ebbra.com)), which can be converted into two protective face masks?

This year's theme was bacteria. Each attendee brought trillions of guests to the ceremony. They were everywhere, and when The BIG Question was asked to three of the distinguished scientists there, only one could answer the question, "how many bacteria can dance on the head of a pin?"

Toshiyuki Nagasaki brought a replica of a human head and said



**William Lipscomb was the prize in the Win-a-Date with a Nobel Laureate contest.** Lipscomb won the Nobel Prize in 1976 for "chemical attraction."

## Campaign raised \$500M for students

**Hockfield**, from Page 1

cerned the "Campaign For Students." According to Hockfield, it was initiated in 2007 and designed to be a 150th birthday present to MIT. The goal of the campaign is to raise \$500 million to support MIT students. Clay remarked that the campaign has gotten great response in the very beginning from alumni and friends of MIT, and has now achieved the original fundraising goal with 39 weeks left.

The \$500 million fund is divided into \$200 million for undergraduate scholarships, \$100 million for graduate fellowships, \$100 million for student learning (faculty support and curriculum development), and \$100 million for student life (housing, athletics, etc.).

"There are many elements of the campaign that have been fabulously successful, and we are already benefiting from them," said Hockfield.

The establishment of Fariborz Maseeh Hall in place of Ashdown House, which will house 450 students, was part of the campaign. It will allow the undergraduate body

3.2 trillion could dance on it. Another guest saw his hourglass (in the form of a water bottle slowly being emptied), promptly spilled over when he tried to use his 30 seconds to explicate his response using string theory.

So of course, these bacteria had to be respected, with the entire audience participating in a bacterial exchange (a handshake of

bacteria and mouthwashing them to their demise).

After the opera segments, there were "moments of science." One demonstration showed off some billowy gas that glowed to oohs and aahs from the audience. The audience was just as amused when scientists tried to show them *E. Coli* under a microscope — but couldn't find any.

Slime molds can find anything though. The award for Transportation Planning was given to a group of Japanese scientists who were able to get slime molds to determine optimal routes for railroad tracks. Asked to describe their results in seven words, they said: "the blobs that shouldn't be looked down upon."

The prize in management was awarded to a project that proved that business work better if people are promoted randomly (so as to spread out the incompetence). And, in 140 characters, one of the Nobel Prize Laureates gave a speech on the importance of the plastic pink flamingo.

If you sort of squinted, some of the research was actually kind of useful. The prize in chemistry was given to a team (one of which was BP, represented by a guy, Steve, in a costume), for proving that oil and water mix; the prize in physics was given to three New Zealand women who proved that wearing socks on the outside of snow boots helps you traverse slippery surfaces.

What did all these award winners receive as their prize? A nice plaque with a bacteria-covered petri dish, a bacteria-covered slip of paper, and 10 trillion (Zimbabwe) dollars.

The many nuances and foibles that make up the Ig Nobel awards give it a unique character that infamously stereotype it as the most unorthodox science ceremony around. For good reason too. And so we say "goodbye, goodbye" and shed a tear to another year's presentations gone by.

A radio broadcast of the awards will be on NPR's Talk of the Nation on the Friday following Thanksgiving.



**Jean Berko Gleason, who gave the Welcome, Welcome and Goodbye, Goodbye speeches, demonstrates that swearing helps to relieve pain.** Richard Stephens, John Atkins, and Andrew Kingston of Keele University, UK won the Ig Nobel Peace Prize for their investigation into swearing as a response to pain.

We are having information sessions on  
**Thursday, Sept 30th and Monday,**  
**October 4th** in room 1-246 at 7PM.

If you have any questions, feel free to  
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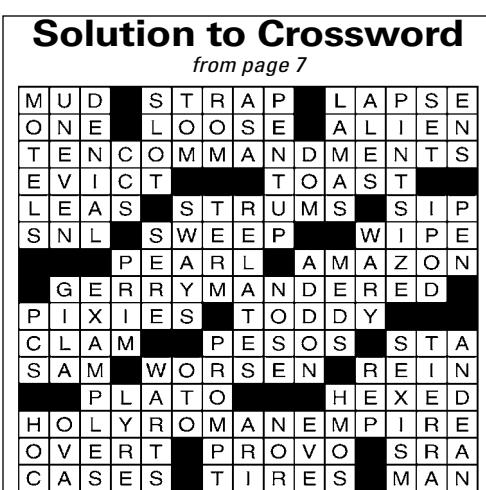
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### INFORMATION SESSION AT COLUMBIA

Thursday, October 7, 2010, 6:00–8:00 p.m.  
1501 International Affairs Building, Columbia University

RSVP: Mariel Kessel, [msk2156@columbia.edu](mailto:msk2156@columbia.edu)



### Solution to Easy Sudoku from page 8

6	3	8	9	1	2	4	5	7
1	4	2	5	7	6	9	3	8
7	9	5	3	8	4	1	6	2
5	2	6	8	4	7	3	9	1
4	8	3	1	2	9	6	7	5
9	1	7	6	5	3	8	2	4
3	5	4	2	9	8	7	1	6
8	6	1	7	3	5	2	4	9
2	7	9	4	6	1	5	8	3

### Solution to Hard Sudoku from page 8

1	7	4	2	6	8	5	3	9
5	6	3	4	9	7	2	8	1
2	8	9	5	1	3	4	7	6
3	5	1	7	4	9	6	2	8
8	2	7	6	3	1	9	4	5
4	9	6	8	5	2	3	1	7
7	3	5	1	2	6	8	9	4
9	4	8	3	7	5	1	6	2
6	1	2	9	8	4	7	5	3

# 2014s like new HASS system

*Simpler rules make process less stressful for freshmen*

New HASS system, from Page 1

Additionally, the new HASS requirement fits better with MIT's requirement that students take at least two communications intensive classes outside of their major.

"With HASS-D, we often had classes that did not fit well with an emphasis on teaching the subject along with encouraging oral discussion and writing. In Literature, for example, that just came naturally. In courses like those in Music, however, that caused a problem, so the new system puts more of a distinction between communication intensive classes and regular HASS classes," Henderson said.

#### Students seem to like new system

"I'm a senior — I'm only vaguely aware of the new HASS requirement's existence, but it sounds a lot better than the current one because they don't have to specifically take HASS-Ds. That's why I put off two of them until senior year," Philip D. Tynan '11 said.

Students trying to complete their majors and simultaneously fulfill the HASS-D requirement often landed themselves in similar situations.

"From what I've heard, HASS-D was a pain before, and now they're easier to deal with," said Julia Berk '14. "It's gotten simpler."

The general consensus seems to be that the new HASS requirement is definitely a step up from the old one, allowing more freedom in choice of classes, as the distributive component is no longer limited to a small selection of the wide range of HASS subjects available at MIT.

"My colleagues in science and engineering have given all positive feedback so far. Many of them are freshman advisors, so they can explain simply to students that they should choose from humanities, arts, and social sciences, rather than just a couple of numbers," Henderson said. "Of course, this is just the first semester — it isn't even Add Date yet, so we'll be hearing a lot more responses to the HASS requirement. I think it's something that will have to play out for several semesters."

So, it seems new HASS Requirement has the potential to live up to its motto: "Engaging, Surprising, Required."

#### The old HASS system

MIT's commitment to producing well-rounded graduates means that, in addition to a rigorous scientific curriculum, students are expected to complete a number of classes in the wide range of topics collectively referred to as HASS: Humanities, Arts, and Social Sciences. Until now, the requirement consisted of three components: three distributive classes, three-to-four classes toward a concentration, and one or two electives.

The distributive component required students to enter a lottery for a selection of classes known as HASS-Ds. There are five areas, commonly designated 1-5. (The official titles are Literary and Textual Studies; Language, Thought, and Value; Visual and Performing Arts; Cultural and Social Studies; Historical Studies).

Every undergraduate was expected to complete one HASS-D in each three unique of those areas.

The second component, a concentration, was created not to give a taste of many fields, but to allow students a more in-depth exploration of a particular field of interest (without being as demanding as a minor). HASS concentrations require three or four classes that function together to form a coherent path of study.

The HASS Elective requirement simply means that students must take a total of eight HASS classes, including distribution and concentration. The idea is that this comes out to one HASS class per semester, although some students take more than one HASS in some semesters and none in others.

—Anne Cai and Niki Castle

## Stem cell work can continue, for now

The Circuit Court of Appeals for the District of Columbia decided Tuesday afternoon to allow federally funded human embryonic stem cell research to continue, while the federal government appeals a lower court injunction that barred the work.

The appeals court had issued a temporary "administrative stay" of the preliminary injunction on Sept. 10. After hearing extended oral argument Monday on whether to grant a longer stay, the court decided on Tuesday that it would issue a longer stay "pending appeal." Stem cell research can now continue until the appeals court hears and decides on the appeal that is before it.

On Thursday, the appeals court set the schedule for the appeal. The government's first brief is due on Oct. 14, the brief from the appellants (adult stem cell researchers James L. Sherley and Theresa A. Deisher) is due on Oct. 28. The government's reply brief is due on Nov. 4.

Meanwhile, various advocacy groups are getting involved in the case. Both the Coalition for the Advancement of Medical Research and the Genetics Policy Institute moved for permission to file amicus curiae (friend-of-the-court) briefs in the lower court case on Wednesday.

GPI's 32-page brief focused narrowly on the meaning of the word "research," which is central to the debate about the applicability of the congressional appropriations rider, the Dickey-Wicker amendment, to stem cell research.

—John A. Hawkinson



## The Ig Informal Lectures

Saturday, October 2nd, 1:00 pm  
MIT 10-250, 222 Memorial Drive

Once again, The MIT Press Bookstore is proud to partner with some *Improbable* friends to bring you a half-afternoon of improbably funny, informative, high-spirited public lectures, in which the 2010 Ig Nobel Prize winners will attempt to explain what they did, and why they did it. Please join us!

For more information on the 2010 Ig Nobel Prize Ceremony and the Ig Informal Lectures (including last year's winners), please visit: <http://www.improbable.com/>

All Ig Nobel Prize activities are organized by the *Annals of Improbable Research*. This free event is organized in cooperation with the MIT Press Bookstore.

## MIT MENTAL HEALTH RESOURCES

### MIT resources during business hours

#### Student Support Services

**Walk-in:** 9-10 a.m., Monday-Friday

**Appointments:** (617) 253-4861

#### MIT Mental Health

**Walk-in:** 2-4 p.m., Monday-Friday

**Appointments:** (617) 253-2916

#### Residential Life Staff

Housemasters, Residential Life Associates, GRTs, and RAs

### MIT resources after business hours

#### MIT Dean on Call through

**Campus police:** (617) 253-1212

#### MIT Mental Health Service

**on Call through Urgent Care:** (617) 253-1311

#### Campus Police:

100 from any MIT phone

or 617-253-1212

### External resources

**Boston Area Rape Crisis Center:** (800) 841-8371

**National Suicide Prevention Line:** (800) 273-8255

SOURCE: NIGHTLINE

# Graduate Resident Tutors have had less money to work with since 2009

## Some dormitories supplement GRT budgets with other funds, from dorm taxes, housemasters

By Derek Chang

Budget cuts have decreased residential life funds across the dorms, shrinking the money available to housemasters and GRTs. In McCormick Hall, for example, the housemasters experienced budget cuts of 10 percent for both this year and for the previous year, according to housemaster Charles H. Stewart III

McCormick's housemasters have had to make sacrifices to their own money in order to keep the GRTs' budgets on the level it was at in the previous year.

McCormick's tighter budget was offset by the introduction of rollovers during the 2009-2010 school year. While any unused money would have been taken away in the past, the housemasters are now able to carry over any unused money from the previous year over to the new school year.

At Next House, similar sacrifices have occurred to soften the blow of the cuts in GRT money. "The GRTs

in Next have not been largely affected by cuts, because the housemasters have helped maintain our individual budgets by using money from their own budgets," says Nicole De Nisco, who serves as GRT for 4W in Next. The budget given to each GRT remains the same, and each student still receives the same funding.

Unlike in McCormick, where housemasters had the luxury of rollovers, Next House GRTs no longer have rollovers. In the past, Next GRTs were permitted to keep the unspent money in their budget, but any unused money from this semester will be taken away. As a result, the quality of study breaks and activities has stayed at a similar level, though the end of rollovers does encourage GRTs like De Nisco to be more resourceful with their finances.

Graduate Residence Tutors in some other dorms actually saw their budgets decrease this year. In dormitories such as Baker House, less money is allocated to each student, so GRTs must use money carefully.

In Baker, decreases in the available budget have been occurring since the previous year.

### There used to be two sushi breaks per term at Baker, but now only one could be planned.

However, Renee C. Smith, a Baker GRT on the first floor, explains: "Baker is fortunate because the Student Executive Committee in our dorm helps supplement the budget that is given to GRTs. Therefore, our budget decreases have not been too big of a problem. I'm actually happy we still have a budget to work with."

Smith generally holds study breaks every day during the period before finals, but she had to get rid of Thursday study breaks for that period because money was lacking. A no-frills attitude had to be applied to breaks, as previous study breaks,

which included elaborate plans and activities, needed to be simplified. Smith added that there used to be two sushi breaks per term, but now only one could be planned. Still, she concluded, "the students seemed alright with the changes, as they realized that we had to be more frugal with our budget while our economy is struggling."

The Graduate Resident Tutors in each dorm serve as live-in mentors for the MIT undergraduate community. Budget cuts in residential life services have meant financial strains for the GRTs, who each receive a budget that is allocated equally across the students in each individual GRT's living area. As early as the previous school year, both housemasters and GRTs alike have had to adapt to stricter financial conditions.

Budget decreases have affected all dorms. The Institute has spent the last two years addressing the effects of the global financial crisis on MIT's endowment and the General

Institute Budget. Approximately \$120 million have been trimmed from the General Institute Budget.

The change, which required cuts in all offices and divisions at MIT, including in the Division of Student Life. The cut in the housemasters' budgets was a reflection of the changes, which could affect the GRTs' budgets as well. The office of the Dean of Student Life was responsible for allocating money to the housemasters, who in turn determined the budgets of GRTs in individual dorms.

The budget constraints are a clear result that the American economy is still in a slump. GRTs and housemasters have had to be more calculating in order to maintain the services offered.

But Stewart, the McCormick housemaster, is still positive about the situation. "The poor economy in the last couple years has required drastic alternatives to the way finances are run, but the situation should improve with the upcoming year," he said.

# PBE and IFC differ on several points in hazing expulsion case

PBE, from Page 1

## 2. Alcohol Violations

IFC: A statement released by the IFC on Monday night referenced an alcohol violation during a "pledge activity or ritual."

PBE: "Yes, there was alcohol present," including a sealed bottle of Chartreuse, Naskar said. "It was for symbolic purposes. Any allegation of consumption, forced or otherwise, is patently false."

He added: "PBE absolutely does not allow the consumption of alcohol by any brother or new member during the initiation process."

## 3. Hearing was expedited

PBE: PBE alumni have expressed concern about the speed of the process. In a letter to *The Tech*, Steven Carhart '70, chair of PBE's alumni corporation said, "Why such a decision was reached in such a hurried manner with such a narrow scope of evidence and testimony is inexplicable."

IFC: Schoen says that PBE signed a waiver giving up their right to have a week to prepare for their hearing.

"PBE requested and was granted an expedited judicial hearing. The judicial bylaws say that we have to wait seven days for a hearing to be held, so that the IFC can gather additional evidence and for the defendants to gather any evidence, make sure they have their case together so they're not surprised by anything, but they chose to and signed a waiver to waive that right so the hearing could be held that same night," said Schoen.

The waiver said that PBE waived their right to have seven days and the right to have a Procedural officer (FSILG Dean Marlena Martinez Love) at the hearing. There is no procedure for a waiver in the IFC Constitution, according to Schoen. However, they discussed the waiver with Love and decided it was okay from an administrative point of view because PBE had agreed to it.

## 4. Stolen Evidence?

PBE: Carhart's letter says "an anonymous party provided the IFC Judicial Committee with circumstantial evidence stolen from our fraternity house."

IFC: "We did take steps to corroborate the information that we find in the document and we did find it to be substantial," Schoen said.

According to Schoen, PBE did not contest the authenticity of the document.

"Any complaint that we get, we're going to follow through on, because the point of the IFC as a whole is to uphold their values and maintain accountability. So we're less interested in how we get it," Fritz said.

### 5. 60 day limit

IFC: "JudComm policies say that there are 60 Institute days between the time a complaint is filed and when we can follow up on it. There is no limitation for when an event happens. In this case, the evidence came in and we get 60 Institute days from that start time. Being that the implications of the evidence were so severe, they were put on interim action right away from the FSILG Office," Fritz said.

**"Being that the implications of the evidence were so severe, they were put on interim action right away..."**

PBE: The JudComm Bylaws "definitely make that distinction... about the 60 days being 60 days from when the violation occurs and they must try the case within 120 days of when the evidence is presented to them."

IFC JudComm Bylaws say in

Article VI(B): "Complaints must be filed within 60 Institute days of the violation. That deadline may be extended if legal or other extenuating circumstances require a delay. In case of extended delay, the accused organization(s) shall be notified of the likelihood of a complaint as early as possible."

"Setting this precedent leads to a definite slippery slope. What's an extenuating circumstance?" Naskar said.

### 6. A juror had a conflict of interest

IFC: Schoen said that the 4-person jury is randomly selected from those available at the scheduled hearing time. When they are informed of a hearing time, the fraternity involved is not mentioned. PBE submitted a request to not have certain fraternities represented in the panel because they were cross-rushing and they were worried that it would be a conflict of interest. Fritz dismissed this saying that it was not valid. It turns out that the request did not make a difference anyways because the randomly picked jury did not include those from the fra-

ternities mentioned by PBE.

PBE: "[The biased juror] was told early in his rush that he would not be given a bid [to PBE], and that he should look elsewhere," Naskar said. Naskar tried to bring this conflict of interest up during the hearing but was told by Fritz that he was not allowed to speak.

**Naskar tried to bring this conflict of interest up during the hearing but was told he couldn't speak**

"In the appeal decision letter, it said, 'You had every opportunity during the process to bring it up.' But no, that was incorrect," Naskar said. "The other speaking members at the hearing are '11's now. As an '09, I knew that he had been flushed. The '11's were not necessarily aware of that fact. That's why I tried to speak up, but I was denied."

### 7. Communication from MIT and PBE

PBE: "Within an hour of that, they sent an email from Bob Ferrara ['67, Senior Director for Strategic Planning, Communications and Alumni Relations DSL] to our over 600-member alumni body. Within the same hour, a press release was put on the MIT News Office page. A few days later, parents received a letter from Dean Colombo himself. We were startled by the information before we could get it together to notify the rest of the brotherhood because there was no time. Within an hour, they all knew. They emailed the alumni body without the actives knowing. They mailed out to the parents without their sons knowing," Naskar said.

Kerry A. Emanuel '76, a professor of atmospheric science and PBE alumnus, said that he had heard from MIT before hearing from PBE.

IFC: Schoen and Fritz said they were not involved in the communication. The MIT News Office did not comment on the timing of the communication. David Kennedy (director of the Office of Student Citizenship), who was part of the appeals process, could not be reached for comment.

# What are YOU doing during IAP?

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DEADLINE: Wednesday, October 13, 9 a.m.

A program of the  MIT ALUMNI ASSOCIATION

# Women's tennis wins 8-1 vs Clark

By Jennifer Rees  
TEAM REPRESENTATIVE

his past Saturday, the MIT women's tennis team visited Clark University, and left with a dominating 8-1 victory. The Engineers' doubles teams started strong. Both the number one team of Lauren C. Quisenberry '14 and Julia C. Hsu '14 and the number two team of Melissa A. Diskin '11 and Katharine A. O'Neal '14 won their sets 8-2, giving MIT a quick 2-0 overall lead. Then, the doubles exhibition match of Hillary E. Jenny '12 and Caitlin R. Pomeroy '13, who won of 8-3. Next off was the third doubles team of Jenny C. Dohlm '11 and Jennifer A. Rees '11, who came back from a 2-4 deficit to win the match 8-6. This sweep in doubles gave MIT 3-0 lead going into the singles matches.

In singles, Quisenberry won 6-4, 6-3, and Hsu won 6-1, 6-0 — effectively shutting her opponent out — to seal the victory for MIT. Afterwards, O'Neal won 6-2, 6-2 and Diskin defeated her opponent in a close match 7-6 (13-11), 6-1. Jenny had the first loss of the day in split set match, barely losing in the tie break 6-1, 3-6, 7-6 (14-12). Rees defeated her opponent 6-4, 6-2. In exhibition, Dohlm won 6-2, 6-1. Makhni played two matches. In the first she lost 8-4, but in her second match she won with a decisive 6-3, 6-3. Pomeroy also won her match 6-3, 6-1.

After the match, Quisenberry was named the NEWMAC Player of the Week, the third straight week she has earned the honor.

The next match MIT women's tennis played this week was Babson, whom they had lost to last year. The match started off again with doubles. First off to the courts was the team of Diskin and O'Neal, who lost their match 8-3. They were closely followed by Quisenberry and Hsu defeating their opponents 8-3, tying the score at 1-1. The team of Rees and Jenny was the last one doubles match on. It was a tough match, but they lost 8-6, giving Babson the 2-1 lead going into the singles matches. In exhibition, Makhni and Pomeroy defeated their opponents, also by a score of 8-3.

In Singles, Quisenberry beat her opponent 6-1, 6-0 to tie the score at two matches apiece. Then Diskin came off with a loss of 6-0, 6-3, putting Babson in the lead again. O'Neal had a close match at three but defeated her opponent with a decisive score of 6-3, 6-1, once again tying the score. Hsu had a close match but pulled it out in three sets with a score of 6-2, 6-7 (2), 6-0, bringing MIT into the lead for the first time in the match. Jenny had a close match but lost 6-4, 6-1, once again tying up the match at 4-4. Last on the rubber match was Rees, who had been dropped the first set 6-1. In the end, Rees pulled out the match winning in three sets with an over all score of 1-6, 6-3, 6-3, giving MIT the win 5-4 over Babson. In exhibition Pomeroy defeated her opponent 8-2, while Makhni lost in a close match 9-7.

With the two wins, MIT remains undefeated on the season, their record now 3-0. The Engineers next face Mount Holyoke College at home on Saturday.



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4\*5-13-6    1\*3\*1\*1\*1    4\*5    5\*5-2\*2    1\*1  
  
3\*2\*2    2\*1\*2\*3  
  
3\*9-2    9\*8-2-7\*7    33-14  
  
12-1-6    4\*4-3    1\*3\*5    42-3\*8  
  
100-1-51-29    3\*1\*23-2\*32    5\*5\*3-8\*9    5\*3\*1    81-3\*7-4\*14    1\*5

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## UPCOMING HOME EVENTS

### Friday, October 1

Men's water polo vs. Brown University    8 p.m., Z-Center Pool

### Saturday, October 2

Men's heavyweight crew Alumni Race    8 a.m., Charles River

Rifle vs. Wentworth Institute of Technology    9 a.m., duPont Gym

Sailing: Smith Trophy    9:30 a.m., Charles River

Women's tennis vs. Mount Holyoke College    1 p.m., duPont Courts

Field hockey vs. Smith College    1 p.m., Jack Barry Field

Football vs. UMass-Dartmouth    1 p.m., Steinbrenner Stadium

## SPORTS SHORTS

### Water polo goalie named player of the week

Coming off a weekend sweep that saw the MIT water polo team improve to 2-0 in league play, junior goalkeeper Columbus Leonard has been named the Northern Division Defensive Player of the Week by the Collegiate Water Polo Association (CWPA). Leonard helped anchor the MIT defense in a pair of wins over Fordham University, 13-10, and Iona College, 11-8.

After falling behind early against Iona, Leonard played a key role in the Tech comeback, allowing just one goal in the fourth quarter, as the Engineers rattled off five unanswered markers in the frame to secure the win. Leonard finished the game with nine saves. He also stopped 13 shots in the win over Fordham on Saturday night.

Leonard has a 7.2 goals against average while making 70 saves in seven games in net this season. The junior is also closing in on the program record for career saves, totaling 494 through his first three seasons. He needs just eight more to become the Institute's all-time leader.

Leonard and the Engineers will next host Brown University on Friday, October 1 at 8 p.m. before traveling across town to take on rival Harvard University on Saturday afternoon.

—Greg McKeever, DAPER Staff

## Women's volleyball falls in close sets

By Mindy Brauer

DAPER STAFF

In a hard-fought NEWMAC women's volleyball match on Tuesday night, visiting Springfield College emerged with a 23-25, 26-24, 25-22, 25-19 victory over MIT. The loss lowered the Engineers' record to 10-7 on the year and 2-2 in conference play while the Pride improved to 14-2 overall and 4-0 in the NEWMAC.

With the opening frame tied at six, Springfield went on 10-4 run which later resulted in a timeout by MIT. Following the break, the Engineers chipped away at the deficit and capitalized on a pair of miscues to even the set at 20. The teams traded points and Springfield took a 23-22 lead, but the Cardinal and Gray rallied with three straight points to capture the

set.

In the second set, MIT gradually established a 9-6 edge. The Pride responded with a 13-3 run to establish its largest margin of the night (19-12). The Engineers then strung together seven consecutive points, featuring four kills by Trinity P. Leonard '13, to even the score at 19. After a Springfield timeout, they took a two-point lead; MIT stayed within striking distance and eventually knotted the frame at 23 on a kill from Jenny Li '11 and hitting error by the Pride. A service error gave Springfield set point, but a hit from Kelly E. Schulte '12 extended the set. Springfield then took two straight points to clinch the game.

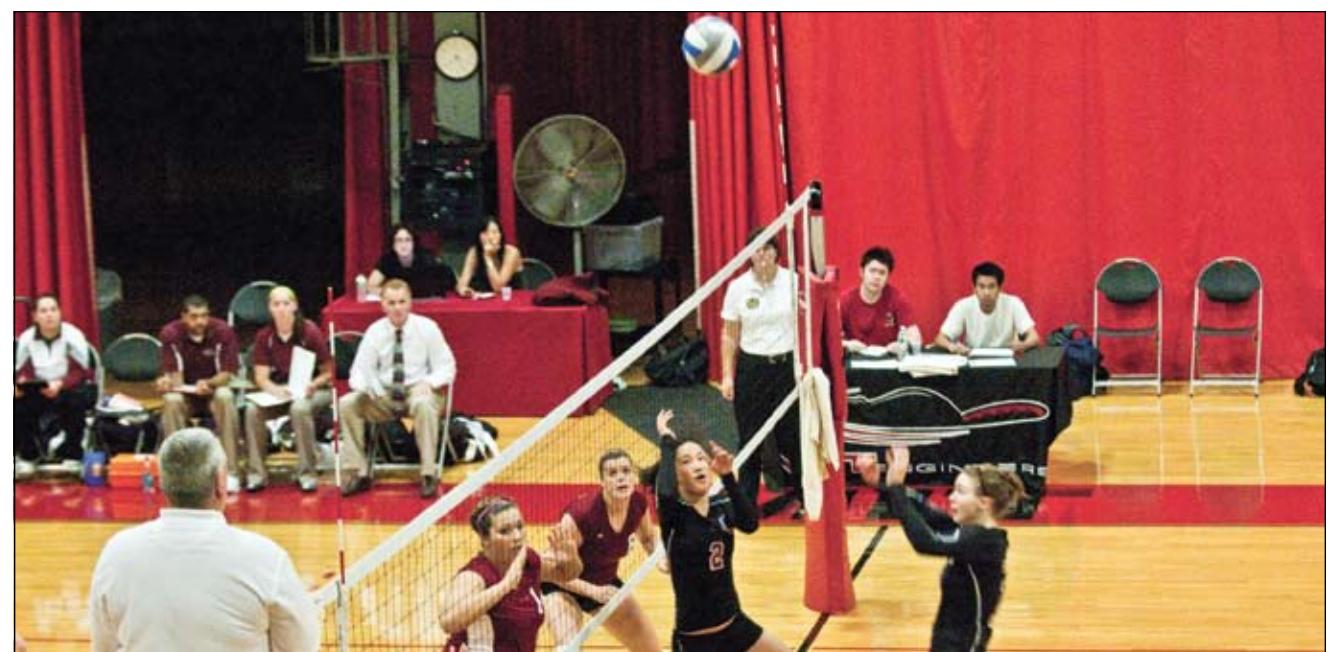
MIT quickly created a 6-2 lead in the third frame, but the Pride recorded nine out of the next 10 points to go ahead for good. The Engineers narrowed the gap to one on seven occasions, the last at 21-20. Three consecutive Springfield kills

coupled with a hitting miscue prompted a timeout by MIT. The Engineers capitalized on a service error; however, a hitting error resulted in set point (24-21). A hit from Schulte extended the game, but Smolinski's strike secured the win.

Springfield jumped out to a 12-6 advantage in the final set, but MIT countered with an 11-6 spurt to close the gap to one (18-17). The Pride generated a late rally to score seven of the last nine points of the night.

Leonard tallied 16 kills, three blocks, and two aces while Li posted 15 kills. Schulte notched seven kills and two blocks as Cecily L. Joujon-Roche '12 contributed four blocks and two aces. Sharon S. Hao '14 totaled 36 assists and six digs while Katie K. Spielbauer '13 collected 12 digs.

Next, MIT will travel to Stevens Institute of Technology for the Ducks Invitational this weekend.



Sharon S. Hao '14 sets the ball as Emma S. Gargus '14 prepares to spike in the game against Springfield College on Tuesday. Despite winning the first set, the Engineers lost the game.

SARANG KULKARNI

## LEGAL COUNSEL

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